Carbon Reduction Plan

Supplier name: QIAGEN .....

Publication date: May, 2024.....

Commitment to achieving Net Zero

QIAGEN has SBTi validated climate goals and committed to Net Zero by 2050.

SCIENCE BASED TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 2020	
Additional Details relating to the Baseline Emissions calculations	
none	
Baseline year emissions: 2020	
EMISSIONS TOTAL	**(tCO_2e)**
Scope 1	10,202
Scope 2	10,416 (market based)
Scope 3 **(Included Sources)**	405,569 Scope 3 covers upstream and downstream emissions that occur along our value chain. We have considered emissions in the following categories in the base year: Scopes 3.1. (Purchased goods and services), 3.3. (Energy related activities), 3.4. (Upstream and downstream transportation and distribution), 3.5. (Waste in operations), 3.6. (Business travel), 3.7. (Employee commuting), 3.11. (Use phase of sold products) and 3.12. (End of life).
Total Emissions	426,187

Current Emission Reporting

Reporting Year: 2023	
EMISSIONS	**TOTAL (tCO_2e)**
Scope 1	13,375
Scope 2	3,930
Scope 3 (Included Sources)	334,119
Total Emissions	351,424

QIAGEN produced 1186 tons of scope 1+2 CO2e in the UK, which comprises 7% of QIAGEN's scope 1+2 footprint. Scope 3 emissions were calculated globally, and this data is not available on a country-wide basis.

Corporate Carbon Footprint by Emissions Category (in tCO2e)	2023	2022	Change in tCO2e 2022 to 2023	Change in % 2022 to 2023
Scope 1: Direct emissions	13,375	13,908	(533)	-3.8%
Scope 2: Indirect emissions	3,930	6,553	(2,623)	-40.0%
Total Scope 1 and 2 (market based)	**17,305**	**20,461**	**(3,156)**	**-15.4%**
Scope 3.1: Purchased goods and services	254,498	234,189	20,309	+8.7%
Scope 3.3: Energy related activities	4,654	4,104	550	+13.4%
Scope 3.4: Transportation and distribution	31,086	36,420	(5,334)	-14.6%
Scope 3.5: Waste in operations	2,630	6,493	(3,863)	-59.5%
Scope 3.6: Business travel	11,633	10,621	1,012	+9.5%
Scope 3.7: Employee commuting	8,970	8,092	878	+10.9%
Scope 3.11: Use phase of sold products	979	1,050	(71)	-6.8%
Scope 3.12: End of life treatment of sold products	19,669	20,097	(428)	-2.1%
Total Scope 3	**334,119**	**321,066**	**13,053**	**+4.1%**
Total emissions	**351,424**	**341,527**	**9,897**	**+2.9%**

Emissions reduction targets

While we began setting emission reduction goals in 2019, in 2021, we committed to reducing greenhouse gas emissions in line with the most recent criteria set out by the SBTi. These targets have been validated and approved by the SBTi early in 2023 and the SBTi has assessed our near-term and net-zero targets against the SBTi's Net-Zero Standard Criteria and the SBTi Near-Term Target Criteria and Recommendations. The SBTi target validation team has classified QIAGEN's scope 1 and 2 target ambition and has determined that it is in line with 1.5°C trajectory.

- Overall Net-Zero Target: QIAGEN commits to reach net-zero greenhouse gas emissions (GHG) across the value chain by 2050 from a 2020 base year.
- Near-Term Targets: QIAGEN commits to reduce absolute scope 1 and 2 GHG emissions 42% by 2030 from a 2020 base year. QIAGEN also commits to reduce absolute scope 3 GHG emissions from business travel, use of sold products and end-of-life treatment of sold products 25% within the same timeframe. QIAGEN further commits that 67% of its suppliers by emissions covering purchased goods and services, capital goods and upstream transportation and distribution will have science-based targets by 2027.
- Long-Term Targets: QIAGEN commits to reduce absolute Scope 1, 2 and 3 GHG emissions 90% by 2050 from a 2020 base year.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2020 baseline.

- ISO 14001 certification of our largest manufacturing site in Q1 2024.
- Purchase of renewable energy certificates for electricity for our largest manufacturing site in Hilden and for all sites in North America and China
- Energy efficiency measures for our two primary manufacturing sites in Hilden, Germany and Germantown, MD, USA. These include.
- Installation of photovoltaic systems on our own buildings to generate electricity.
- Replacing gas and oil with renewable sources (such as wood pellets and heat pumps fuelled by green electricity)
- Replacing lighting with LEDs
- Installation of motion-controlled lighting

- Heat recovery (e.g., compressed air system)
- Organizational changes (e.g., night-time reduction) and set-point adjustments in several areas and systems.

Further we have started to transition our fleet of company cars in the U.S., Germany, Switzerland, and Austria to use hybrid or electric vehicles in 2022.

In 2023, we performed an analysis of the amount and the type of plastics contained in our top-selling products and analysed the circularity aspects of the QIAamp DNA Mini Kit according to the Cradle to Cradle® Design Framework.
In the future we will implement further measures:

- Further transition to green energy through installation of solar panels and purchase of renewable energy certificates.
- Further promotion of the transition to electric cars to support CO2 reduction
- Certification to ISO50001 Energy Management, planned for 2025 at our largest manufacturing site in Hilden.
- Advanced energy modelling during the design phase of new buildings
- Ongoing plastic reduction measures, to address emissions from purchased goods and services, and product end of life.
- Development of sustainable design guidelines to optimize purchased goods and the end-of-use of products. Adoption of a circularity approach in product development consisting of the 5Rs (Reduce, Recycle, Replace, Reuse and Recover). Furthermore, we will examine the use of greenhouse gas (GHG) optimized materials, like bio-based plastics and recycled content. Increase the recyclability of products is also a focus area. These measures aim to reduce Scope 3.1 and 3.12 emissions)
- Supporting of our suppliers towards climate readiness by encouraging them to calculate carbon footprints and to set GHG emissions reduction targets as part of the SBTi engagement program. Workshops with selected suppliers are scheduled. These measures aim to reduce Scope 3.1 emissions.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and

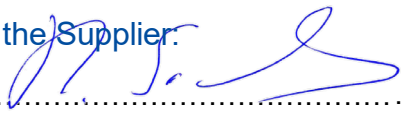
associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of the Supplier:



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Date: May 31, 2024 .....